

Advances

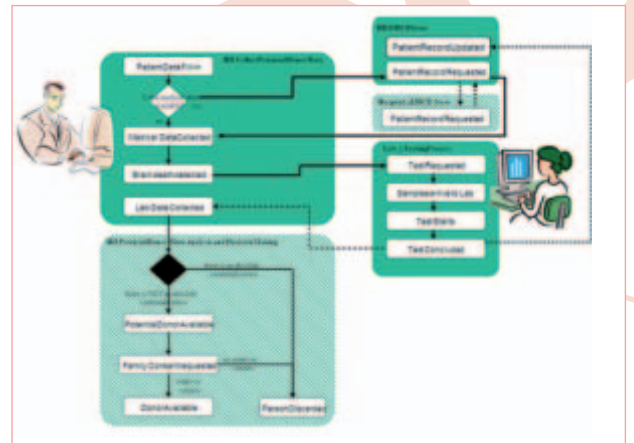
Positioning in global context

Contribution to standardization and interoperability issues

By proposing a set of open specifications for Provenance, the results of the project are made available to a wide

Target users / sectors in business and society

- **Individuals and user and consumer associations** will benefit from increased trust in electronic information generated on their behalf.
- **Regulatory authorities** will benefit from a open architecture that allows regulatory compliance to be verified.
- **Research communities** will benefit from a common understanding of Provenance that will allow results shared between research groups to be verifiably reproduced based on a common architecture.
- **System developers, designers and suppliers** will be motivated to see Provenance as a business enabler and to integrate its concepts and solutions into their systems and products.



Overall benefits for business and society

Current mechanisms for regulatory compliance adopted by businesses involve closed, proprietary solutions that are not transparent and interoperable between different companies, business sectors or technologies. By

developing an open, standardised architecture, the Provenance project provides businesses with the flexibility to develop open and interoperable solutions to meet their regulatory obligations.

Examples of use

The Provenance project has tested the architecture in two application areas:

- The management of aerospace component simulation data.
- A proof of concept application for managing organ transplants and compliance with national healthcare regulations.

In addition to these applications, the project anticipates the use of the architectural framework in other business sectors not being investigated as part of the project such as:

- Regulation of financial markets and services.
- Submission of pharmaceutical information for drug approval.
- Compliance with import/export regulations in distributed supply chains.
- Compliance with rules of evidence in legal IT systems.
- Traceability of ingredients in food chains.

Achievements

All public results including published papers and architectural descriptions are available from the project website www.gridprovenance.org including the reference implementation and descriptions of the two application scenarios. The open specifications are available together with all other public deliverables.



title

Enabling and supporting provenance in grids for complex problems

contract number

511085

type of project

Specific Targeted Research Project

contact point

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project website and partner list

<http://www.gridprovenance.org/>

EC contribution

1 981 996 €

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01/09/2004

duration

27

